

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-15. (Cancelled).

16. (New) A profiled membrane for insulating walls of buildings and floors including profiles embossed out on at least one side of a plane and a surface having a degree of reflection of more than 0.2 (20% reflection) in order to increase thermal transmission resistance on either side of the plane.

17. (New) The profiled membrane according to claim 16, wherein said plane has two sides and each side has an embossed profile.

18. (New) The profiled membrane according to claim 16, wherein the surface has a degree of reflection of more than 0.35 (35% reflection).

19. (New) The profiled membrane according to claim 16, wherein the surface has a degree of reflection of more than 0.5 (50% reflection).

20. (New) The profiled membrane according to claim 16, wherein the profiled membrane is made of plastic.

21. (New) The profiled membrane according to claim 20, wherein said plastic is a pigmented plastic reflecting infrared radiation.

22. (New) The profiled membrane according to claim 16, wherein said profiled membrane has a smooth surface.

23. (New) The profiled membrane according to claim 16, wherein the surface reflects or absorbs electromagnetic radiation.

24. (New) The profiled membrane according to claim 16, wherein the surface absorbs electromagnetic radiation by at least 5 dB, preferably by at least 10 dB, particularly preferably by at least 15 dB.

25. (New) The profiled membrane according to claim 16, wherein the surface absorbs electromagnetic radiation by at least 10 dB.

26. (New) The profiled membrane according to claim 16, wherein the surface absorbs electromagnetic radiation by at least 15 dB.

27. (New) The profiled membrane according to claim 16, wherein the surface is provided with a reflective coating.

28. (New) The profiled membrane according to claim 20, wherein the plastic contains color pigments in particular titanium dioxide or metal pigments.

29. (New) The profiled membrane according to claim 28, wherein the color pigments are selected from the group consisting of titanium dioxide and metal pigments.

30. (New) The profiled membrane according to claim 20, wherein the plastic surface of the profiled membrane is coated with metal.

31. (New) A composite panel including a base body and a profiled membrane provided on the base body, said profiled membrane comprising a membrane according to claim 16.

32. (New) The composite panel according to claim 31, wherein the base body is a chipboard or a plywood panel.

33. (New) The composite panel according to claim 31, further comprising a metal foil or vapor-metallized plastics foil disposed on a side of the base body facing the profiled membrane.

34. (New) The composite panel according to claim 31, further comprising the base body including two pairs of parallel edges, and said two pairs of parallel edges comprising two neighboring edges provided with coupling elements in the form of a groove and two other edges provided with a tongue which fits into one of the grooves.

35. (New) A process for the manufacture of a profiled membrane which includes profiles embossed out on at least one side of a plane and a surface having a degree of reflection of more than 0.2, said process comprising the steps of:

extruding a membrane made from plastic;

feeding a metal-coated foil after extrusion towards said membrane; and

subjecting said metal-coated foil to a profiles moulding process.

36. (New) The process according to claim 35, wherein said foil feeding step comprises feeding a vapor-metallized foil.

37. (New) A process for thermally insulating a floor comprising the steps of:

providing a profiled membrane which includes profiles embossed out on at least one side of a plane and a surface having a degree of reflection or more than 0.2;

arranging said profiled membrane on a surface to be insulated; and

applying a base body to the profiled membrane.

38. (New) The process according to claim 37, wherein said arranging step comprises arranging said profiled membrane on a floor.

39. (New) The process according to claim 37, wherein said profiled membrane providing step comprises providing a profiled membrane having a surface with a degree of reflection of more than 0.35%.

40. (New) The process according to claim 37, wherein said profiled membrane providing step comprises providing a profiled membrane having a surface with a degree of reflection of more than 0.50%.